

What is claimed is:

1. An optical deflection device comprising:

(a) a rotary unit comprising a rotary polygon mirror and a magnet;

(b) a dynamic pressure bearing comprising a rotary bearing member for rotatably supporting the rotary unit and a fixed bearing member for engaging with the rotary bearing member;

(c) a stator unit comprising a base member for supporting the fixed bearing member and a magnet coil for driving the rotary unit in cooperation with the magnet; and

(d) a stabilizing member provided on an upper portion of the base member and in the vicinity of an outer circumference of the polygon mirror for stabilizing air flow generated by a rotation of the polygon mirror, wherein the stabilizing member has a height greater than that of a lower surface of the rotary polygon mirror.

2. The optical deflection device of claim 1, the stabilizing member is arranged at a position equal to a distance from a rotary axis of the rotary polygon mirror and

in the vicinity of the outer circumference of the polygon mirror.

3. An optical scanning apparatus comprising:

(a) a main body;

(b) an optical deflection device provided in the main body, comprising a rotor unit having a rotary polygon mirror, a dynamic pressure bearing for rotatably supporting the rotor unit and a stator unit having a base member for supporting the dynamic pressure bearing;

(c) an optical member of a scanning optical system provided in the main body; and

(d) a stabilizing member provided in the vicinity of an outer circumference of the polygon mirror inside the main body for stabilizing air flow generated by a rotation of the polygon mirror.

4. The optical scanning apparatus of claim 3, wherein the stabilizing member is formed by a cylinder, a circular end of which is placed on the base member, and the stabilizing member is arranged in an area in which a distance between an outer circumference of the polygon mirror and a wall extending upwardly provided on an optical casing for

casing the optical deflection device, is narrowed or expanded.

5. The optical scanning apparatus of claim 3, wherein the stabilizing member is integrally provided with a wall extending upwardly provided on an optical casing for casing the optical deflection device.